Refine Search

Search Results -

Terms	Documents
"orotidine-5'-phosphate" near decarboxylase or URA3	4652

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

Database:

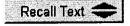
EPO Abstracts Database
JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

15	E	
	i Re	efine







Search History

DATE: Thursday, April 29, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set				
DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR							
L15	"orotidine-5'-phosphate" near decarboxylase or URA3	4652	L15				
L14	L13	0	L14				
L13	L10 and pyr\$	0	<u>L13</u>				
L12	L10 and orotidine	0	<u>L12</u>				
L11	L10 and URA3	0	L11				
<u>L10</u>	5436158 [pn]	2	<u>L10</u>				
L9	(pyrG or pyr4) near5 gene\$ near10 region\$	60	<u>L9</u>				
<u>L9</u> <u>L8</u>	(pyrG or pyr4) near5 gene\$ near10 conserve\$	0	<u>L8</u>				
L7	(pyrG or pyr4) near5 gene\$ near10 function\$ near5 motif\$	0	L7				
L6	(pyrG or pyr4) near5 gene\$ near10 structure\$	0	<u>L6</u>				
L7 L6 L5	(pyrG or pyr4) near5 gene\$	235	<u>L5</u>				
L4	("orotidine-5'-phosphate" or URA3) near5 gene\$ near10 (function\$ or struct\$)	120	<u>L4</u>				

<u>L3</u>	("orotidine-5'-phosphate" or URA3) near5 gene\$ near10 (function\$ or struct\$) near5 motif\$	0	<u>L3</u>
L2	("orotidine-5'-phosphate" or URA3) near5 gene\$	1264	L2
L1	"orotidine-5'-phosphate" or URA3	4659	L1

END OF SEARCH HISTORY

Set Items Description

? set hi ;set hi
HILIGHT set on as ''
HILIGHT set on as ''
? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>> 135 is unauthorized

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Set Items Description
      ___ ____
? s ("orotidine-5'phopshate" (n) decarboxylase or pyrG or pyr4 or URA3) (5n) gene?
Processing
Processing
Processing
Processed 10 of 34 files ...
>>>File 144 processing for GENE? stopped at GENETYPIC
Processed 20 of 34 files ...
Processing
Completed processing all files
               O OROTIDINE-5'PHOPSHATE
          173857 DECARBOXYLASE
               O OROTIDINE-5'PHOPSHATE(N) DECARBOXYLASE
             955 PYRG
             300 PYR4
            5691 URA3
        24676520 GENE?
            4114 ("OROTIDINE-5'PHOPSHATE" (N) DECARBOXYLASE OR PYRG OR
                  PYR4 OR URA3) (5N) GENE?
? s s1 and (active (n) site? or motif?)
Processing
Processed 10 of 34 files ...
Completed processing all files
            4114 S1
         3391425 ACTIVE
         5687291 SITE?
          297943 ACTIVE(N)SITE?
          432885 MOTIF?
            114 S1 AND (ACTIVE (N) SITE? OR MOTIF?)
? rd s2
...examined 50 records (50)
...examined 50 records (100)
...completed examining records
     S3
            47 RD S2 (unique items)
? d s3/3/1-47
      Display 3/3/1
                       (Item 1 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
0014679985
           BIOSIS NO.: 200400060742
Long inverted repeats are an at-risk motif for recombination in
 mammalian cells.
AUTHOR: Waldman Alan S (Reprint); Tran Hiep; Goldsmith Edie C; Resnick
  Michael A
AUTHOR ADDRESS: Department of Biological Sciences, University of South
  Carolina, 700 Sumter St., Columbia, SC, 29208, USA**USA
AUTHOR E-MAIL ADDRESS: awaldman@sc.edu
JOURNAL: Genetics 153 (4): p1873-1883 December 1999 1999
MEDIUM: print
ISSN: 0016-6731 (ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                - end of record -
                     (Item 2 from file: 5)
      Display 3/3/2
DIALOG(R) File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
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BIOSIS NO.: 200200262523
0013669012
Lactose metabolism and cellulase production in Hypocrea jecorina: The gal7
  gene, encoding galactose-1-phosphate uridylyltransferase, is essential
  for growth on galactose but not for cellulase induction
AUTHOR: Seiboth B (Reprint); Hofmann G; Kubicek C P
AUTHOR ADDRESS: Bereich Mikrobielle Biochemie und Gentechnologie, Institut
  fur Biochemische Technologie und Mikrobiologie, Technische Universitat
  Wien, Getreidemarkt 9, A-1060, Wien, Austria**Austria
JOURNAL: MGG Molecular Genetics and Genomics 267 (1): p124-132 March, 2002
MEDIUM: print
ISSN: 1617-4615
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                 - end of record -
                      (Item 3 from file: 5)
      Display 3/3/3
DIALOG(R) File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
             BIOSIS NO.: 200100383598
0013211759
Nickel resistance and chromatin condensation in Saccharomyces cerevisiae
  expressing a maize high mobility group I/Y protein
AUTHOR: Forzani Celine; Loulergue Clarisse; Lobreaux Stephane; Briat
  Jean-Francois; Lebrun Michel (Reprint)
AUTHOR ADDRESS: Biochimie et Physiologie Moleculaire des Plantes, Ecole
  Nationale Superieure d'Agronomie, CNRS Unite Mixte de Recherche 5004,
  Universite Montpellier 2, Institut National de la Recherche Agronomique,
  2 Place Viala, F-34060, Montpellier Cedex 1, France**France
JOURNAL: Journal of Biological Chemistry 276 (20): p16731-16738 May 18,
2001 2001
MEDIUM: print
ISSN: 0021-9258
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                 - end of record -
                       (Item 4 from file: 5)
      Display 3/3/4
DIALOG(R) File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
            BIOSIS NO.: 199800296496
0011502249
Degradation signals for ubiquitin system proteolysis in Saccharomyces
  cerevisiae
AUTHOR: Gilon Tamar; Chomsky Orna; Kulka Richard G (Reprint)
AUTHOR ADDRESS: Dep. Biol. Chem., Alexander Silberman Inst. Life Sci.,
  Hebrew Univ. of Jerusalem, Jerusalem 91904, Israel**Israel
JOURNAL: EMBO (European Molecular Biology Organization) Journal 17 (10): p
2759-2766 May 15, 1998 1998
MEDIUM: print
ISSN: 0261-4189
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                 - end of record -
      Display 3/3/5 (Item 5 from file: 5)
DIALOG(R) File 5:Biosis Previews(R)
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(c) 2004 BIOSIS. All rts. reserv.
 0009990882
             BIOSIS NO.: 199598458715
 A subunit interface mutant of yeast pyruvate kinase requires the allosteric
   activator fructose 1,6-bisphosphate for activity
 AUTHOR: Collins Richard A (Reprint); McNally Teresa; Fothergill-Gilmore
  Linda A; Muirhead Hilary
AUTHOR ADDRESS: Tampa Bay Research Inst., 10900 Roosevelt Boulevard, St.
  Petersburg, FL 33716, USA**USA
 JOURNAL: Biochemical Journal 310 (1): p117-123 1995 1995
 ISSN: 0264-6021
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                  - end of record -
      Display 3/3/6
                        (Item 6 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
0009118854
            BIOSIS NO.: 199497140139
Sequencing and Functional Analysis of a 32 560 bp Segment on the Left Arm
  of Yeast Chromosome II. Identification of 26 Open Reading Frames,
  Including the KIP1 and SEC17 Genes
AUTHOR: Scherens Bart (Reprint); El Bakkoury Mohamed; Vierendeels Fabienne;
  Dubois Evelyne; Messenguy Francine
AUTHOR ADDRESS: Institut de Recherches du CERIA/COOVI, Laboratoire de
  Microbiologie, Universite Libre de Bruxelles, Ave. E. Gryson, 1, B-1070,
  Brussels, Belgium ** Belgium
JOURNAL: Yeast 9 (12): p1355-1371 1993 1993
ISSN: 0749-503X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                 - end of record -
      Display 3/3/7
                        (Item 7 from file: 5)
DIALOG(R)File
              5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
0008975900
             BIOSIS NO.: 199396140316
Dominant missense mutations in a novel yeast protein related to mammalian
  phosphatidylinositol 3-kinase and VPS34 abrogate rapamycin cytotoxicity
AUTHOR: Cafferkey Robert; Young Peter R; McLaughlin Megan M; Bergsma Derk J
  ; Koltin Yigal; Sathe Ganesh M; Faucette Leo; Eng Wai-Kwong; Johnson
  Randall K; Livi George P (Reprint)
AUTHOR ADDRESS: Dep. Gene Expression Sci., SmithKline Beecham Pharm., King
  of Prussia, PA 19406, USA**USA
JOURNAL: Molecular and Cellular Biology 13 (10): p6012-6023 1993
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
                                 - end of record -
      Display 3/3/8
                       (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.
0008911246
           BIOSIS NO.: 199396075662
```

Mutation in the bimD gene of Aspergillus nidulans confers a conditional mitotic block and sensitivity to DNA damaging agents AUTHOR: Denison Steven H (Reprint); Kaefer Etta; May Gregory S (Reprint) AUTHOR ADDRESS: Dep. Cell Biol., Baylor Coll. Med., Houston, TX 77030, USA JOURNAL: Genetics 134 (4): p1085-1096 1993 ISSN: 0016-6731 DOCUMENT TYPE: Article RECORD TYPE: Abstract LANGUAGE: English - end of record -Display 3/3/9 (Item 9 from file: 5) DIALOG(R) File 5: Biosis Previews(R) (c) 2004 BIOSIS. All rts. reserv. 0008840428 BIOSIS NO.: 199396004844 Pathway correcting DNA replication errors in Saccharomyces cerevisiae AUTHOR: Morrison Alan (Reprint); Johnson Anthony L; Johnston Leland H; Sugino Akio AUTHOR ADDRESS: Lab. Mol. Genetics, Natl. Inst. Environ. Health Sci., P.O. Box 12233, Research Triangle Park, NC, USA**USA JOURNAL: EMBO (European Molecular Biology Organization) Journal 12 (4): p 1467-1473 1993 ISSN: 0261-4189 DOCUMENT TYPE: Article RECORD TYPE: Abstract LANGUAGE: English - end of record -Display 3/3/10 (Item 10 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2004 BIOSIS. All rts. reserv. 0007799923 BIOSIS NO.: 199192045694 PURIFICATION CHARACTERIZATION AND MUTAGENESIS OF HIGHLY EXPRESSED RECOMBINANT YEAST PYRUVATE KINASE AUTHOR: MURCOTT T H L (Reprint); MCNALLY T; ALLEN S C; FOTHERGILL-GILMORE L A; MUIRHEAD H AUTHOR ADDRESS: DEP BIOCHEMISTRY, SCHOOL MEDICAL SCIENCES, UNIVERSITY BRISTOL, BRISTOL BS8 1TD, ENGL, UK**UK JOURNAL: European Journal of Biochemistry 198 (2): p513-520 1991 ISSN: 0014-2956 DOCUMENT TYPE: Article RECORD TYPE: Abstract LANGUAGE: ENGLISH - end of record -Display 3/3/11 (Item 1 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2004 American Chemical Society. All rts. reserv. 140229401 CA: 140(15)229401p PATENT Three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands INVENTOR (AUTHOR): Come, Jon H.; Becker, Frank; Kley, Nikolai A.; Reichel, Christoph LOCATION: USA PATENT: U.S. Pat. Appl. Publ. ; US 20040043388 A1 DATE: 20040304 APPLICATION: US 234985 (20020903) *US PV272932 (20010302) *US PV278233

(20010323) *US PV329437 (20011015) *US 91177 (20020304) PAGES: 238 pp., Cont.-in-part of U.S. Ser. No. 91,177. CODEN: USXXCO LANGUAGE: English CLASS: 435006000; C12Q-001/68A; G01N-033/53B; C07H-021/04B - end of record -Display 3/3/12 (Item 2 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2004 American Chemical Society. All rts. reserv. 138220369 CA: 138(15)220369k PATENT Compositions and methods for generating antigen-binding units INVENTOR (AUTHOR): Li, Shengfeng LOCATION: USA ASSIGNEE: Abmaxis, Inc. PATENT: PCT International; WO 200318761 A2 DATE: 20030306 APPLICATION: WO 2002US26952 (20020822) *US PV314489 (20010822) PAGES: 71 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VC; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL ; SZ; TZ; UG; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; -more-Display 3/3/12 (Item 2 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2004 American Chemical Society. All rts. reserv. ML; MR; NE; SN; TD; TG - end of record -Display 3/3/13 (Item 3 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2004 American Chemical Society. All rts. reserv. CA: 138(15)220368j PATENT Non-single chain antigen-binding units comprising light and heavy chain stabilized with leucine zippers for generating and screening antigen-binding units for diagnostic and therapeutic uses INVENTOR (AUTHOR): Li, Shengfeng LOCATION: USA PATENT: PCT International; WO 200318749 A2 DATE: 20030306 APPLICATION: WO 2002US26550 (20020819) *US PV314489 (20010822) PAGES: 76 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW ; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; -more-Display 3/3/13 (Item 3 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

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FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; SK; TR; BF; BJ; CF; CG; CI; CM;
GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG
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      Display 3/3/14
                         (Item 4 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
  138034104
               CA: 138(4)34104v
                                   PATENT
  Reagents and methods for detection and characterization of
protein-protein interactions, nuclear export and localization sequences and
inducible Gal4p-mediated gene expression in yeast
  INVENTOR (AUTHOR): Peng, Gang; Hopper, James E.; Vyshkina, Tamara
  LOCATION: USA
  ASSIGNEE: The Penn State Research Foundation
  PATENT: PCT International; WO 2002101011 A2 DATE: 20021219
  APPLICATION: WO 2002US18120 (20020610) *US PV296983 (20010608)
  PAGES: 60 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A
  DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW;
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW
                                    -more-
      Display 3/3/14
                         (Item 4 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GO; GW:
ML; MR; NE; SN; TD; TG
                                 - end of record -
      Display 3/3/15
                         (Item 5 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
              CA: 137(21)305756p
                                     PATENT
  Chimeric genes encoding Irelp kinase for detection of interactions
between calnexin and calreticulin with Erp57 in endoplasmic reticulum by
yeast two-hybrid assay
  INVENTOR (AUTHOR): Pelletier, Marc F.; Jansen, Gregor; Bergeron, John J.
M.; Thomas, David Y.
 LOCATION: Can.,
  ASSIGNEE: National Research Council of Canada
  PATENT: U.S. Pat. Appl. Publ.; US 20020160408 A1 DATE: 20021031
 APPLICATION: US 118937 (20020410) *US PV282854 (20010411) *CA 2358758
(20011009)
  PAGES: 13 pp. CODEN: USXXCO LANGUAGE: English CLASS: 435006000;
C12Q-001/68A; C12N-001/18B; C12N-015/74B
                                 - end of record -
      Display 3/3/16
                         (Item 6 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2004 American Chemical Society. All rts. reserv.
              CA: 137(18)258533b
                                     PATENT
 Molecular cloning and use of hybrid gene cDNA libraries
```

```
INVENTOR (AUTHOR): Edwards, David N.
  LOCATION: USA
  PATENT: U.S. Pat. Appl. Publ. ; US 20020142337 A1 DATE: 20021003
  APPLICATION: US 71136 (20020206) *US PV279788 (20010329)
  PAGES: 12 pp. CODEN: USXXCO LANGUAGE: English CLASS: 435006000;
C12Q-001/68A; C07H-021/04B; C12N-015/74B
                                 - end of record -
? s "orotidine-5'-phosphate" (n) decarboxylase (5n) (active (n) site?)
               2 OROTIDINE-5'-PHOSPHATE
          173857 DECARBOXYLASE
         3391425 ACTIVE
         5687291 SITE?
              O "OROTIDINE-5'-PHOSPHATE" (N) DECARBOXYLASE (5N) (ACTIVE
                  (N) SITE?)
? s "orotidine-5'-phosphate" (n) decarboxylase (5n) active (n) site?
               2 OROTIDINE-5'-PHOSPHATE
          173857 DECARBOXYLASE
         3391425 ACTIVE
         5687291 SITE?
               O "OROTIDINE-5'-PHOSPHATE" (N) DECARBOXYLASE (5N) ACTIVE
                  (N) SITE?
? s URA3 (5n) active (n) site?
            5691 URA3
         3391425 ACTIVE
         5687291 SITE?
              0 URA3 (5N) ACTIVE (N) SITE?
? s URA3 (5n) motif?
            5691 URA3
          432885 MOTIF?
               1 URA3 (5N) MOTIF?
      S7
? d s7/9/1
      Display 7/9/1
                        (Item 1 from file: 73)
DIALOG(R) File 73: EMBASE
(c) 2004 Elsevier Science B.V. All rts. reserv.
            EMBASE No: 2004107455
  Analysis on Origin Recognition Complex containing Orc5p with defective
Walker A Motif
  Takahashi N.; Yamaguchi Y.; Yamairi F.; Makise M.; Takenaka H.; Tsuchiya
T.; Mizushima T.
  T. Mizushima, Faculty of Pharmaceutical Sciences, Okayama University,
  1-1-1, Tsushima-naka, Okayama 700-8530 Japan
  AUTHOR EMAIL: mizushima@pharm.okayama-u.ac.jp
  Journal of Biological Chemistry ( J. BIOL. CHEM. ) (United States)
  FEB 2004, 279/9 (8469-8477)
                ISSN: 0021-9258
  CODEN: JBCHA
  DOCUMENT TYPE: Journal ; Article
                    SUMMARY LANGUAGE: ENGLISH
  LANGUAGE: ENGLISH
 NUMBER OF REFERENCES: 42
 Orc5p is one of six proteins that make up the origin recognition complex
                                    -more-
?
     Display 7/9/1
                        (Item 1 from file: 73)
DIALOG(R) File 73: EMBASE
(c) 2004 Elsevier Science B.V. All rts. reserv.
(ORC), a candidate initiator of chromosomal DNA replication in eukaryotes.
To investigate the role of ATP binding to Orc5p in cells, we constructed
orc5-A, a strain of Saccharomyces cerevisiae having a mutation in the
Walker A motif of Orc5p (K43E). The strain showed temperature-sensitive
growth. Incubation at a nonpermissive temperature (37degreesC) caused
```

accumulation of cells with nearly 2C DNA content. Overproduction of Orc4p, another subunit of ORC, suppresses this temperature sensitivity, but overproduction of other subunits did not. Overproduction of Orc4p did not suppress the temperature sensitivity of another orc5 mutant, orc5-1, whose mutation, L331P, is outside the ATP-binding motif. These results suggest that Orc4p is specifically involved in ATP binding to Orc5p itself or its function in DNA replication. Immunoblotting experiments revealed that in the orc5-A strain at a nonpermissive temperature, all ORC subunits gradually disappeared, suggesting that ORC5-A becomes degraded at nonpermissive temperatures. We therefore consider that ATP binding to Orc5p is involved in efficient ORC formation and that Orc4p is involved in this process.

-more-

Display 7/9/1 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2004 Elsevier Science B.V. All rts. reserv.

DRUG DESCRIPTORS:

*protein

adenosine triphosphate; unclassified drug

MEDICAL DESCRIPTORS:

*complex formation; *protein motif

molecular recognition; DNA replication; Saccharomyces cerevisiae; temperature sensitivity; chromosome replication; temperature sensitive mutant; protein degradation; immunoblotting; enzyme activity; gene; nonhuman; article; priority journal

DRUG TERMS (UNCONTROLLED): protein orc5p

MEDICAL TERMS (UNCONTROLLED): walker a motif; orc5a gene; leu2 gene; ura3 gene

CAS REGISTRY NO.: 67254-75-5 (protein); 15237-44-2, 56-65-5, 987-65-5 (adenosine triphosphate)

SECTION HEADINGS:

029 Clinical and Experimental Biochemistry

- end of record -

?